

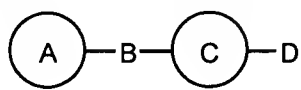
**In the Claims**

Please replace all prior versions, and listings, of claims in the application with the following list of claims:

1. (Original) A polymeric article, comprising:  
a particle comprising a polymer, the polymer comprising an iptycene moiety.
2. (Original) The polymeric article of claim 1, wherein the iptycene moiety comprises at least three arene planes.
3. (Original) The polymeric article of claim 2, wherein the iptycene moiety comprises at least five arene planes.
4. (Original) The polymeric article of claim 1, wherein the iptycene moiety is at least a portion of a repeat unit of the polymer.
5. (Original) The polymeric article of claim 1, wherein the polymer comprises a backbone.
6. (Original) The polymeric article of claim 5, wherein the backbone comprises a delocalized  $\pi$ -electron bond.
7. (Original) The polymeric article of claim 5, wherein the backbone comprises a benzene ring.
8. (Original) The polymeric article of claim 7, wherein the benzene ring is at least a portion of a repeat unit of the backbone of the polymer.
9. (Original) The polymeric article of claim 7, wherein a pendant group is attached to the backbone via the benzene ring.

10. (Original) The polymeric article of claim 5, wherein the backbone comprises a triple bond.
11. (Original) The polymeric article of claim 10, wherein the triple bond is at least a portion of a repeat unit of the polymer.
12. (Original) The polymeric article of claim 1, wherein the particle comprises a chromophore.
13. (Original) The polymeric article of claim 1, wherein the polymer comprises a chromophore.
14. (Original) The polymeric article of claim 1, wherein the polymer is a copolymer.
15. (Original) The polymeric article of claim 1, wherein the polymer comprises at least one pendant group.
16. (Original) The polymeric article of claim 15, wherein the pendant group comprises an aliphatic chain.
17. (Original) The polymeric article of claim 15, wherein the pendant group comprises an ether chain.
18. (Original) The polymeric article of claim 1, wherein the polymer comprises a charged moiety.
- 19-43. (Cancelled)
44. (Original) A polymeric article, comprising:  
a particle comprising a copolymer formed from a plurality of monomers, wherein

at least one monomer comprises a structure:



wherein at least one of A and C comprises a bicyclic ring system, and at least one of B and D comprises a triple bond.

45. (Cancelled)

46. (Currently amended) A polymeric article, comprising:  
a particle comprising a luminescent polymer, wherein the luminescent polymer comprises a ~~plurality of triple bonds~~ bond.

47-127. (Cancelled)

128. (Original) An article, comprising:  
a particle comprising a nucleic acid and a luminescent polymer.

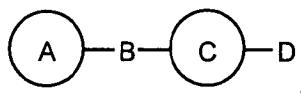
129. (Currently amended) A method, comprising:  
allowing a nucleic acid to ~~bind~~ become attached to a luminescent polymer.

130. (New) The article of claim 46, wherein the luminescent polymer comprises a plurality of triple bonds.

131. (New) The article of claim 128, wherein the luminescent polymer comprises a triple bond.

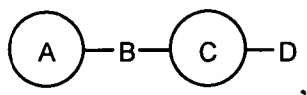
132. (New) The article of claim 131, wherein the luminescent polymer comprises a plurality of triple bonds.

133. (New) The article of claim 128, wherein the luminescent polymer comprises a copolymer formed from a plurality of monomers, wherein at least one monomer comprises a structure:



- wherein at least one of A and C comprises a bicyclic ring system, and at least one of B and D comprises a triple bond.
134. (New) The article of claim 128, wherein the particle is formed from the luminescent polymer, and wherein the nucleic acid is attached to the luminescent polymer.
135. (New) An article, comprising:  
a particle comprising a luminescent polymer, wherein the luminescent polymer comprises a moiety that is able to become attached to a biological, biochemical, and/or chemical molecule so as to form, upon attachment, a particle comprising the luminescent polymer attached to the biological, biochemical, and/or chemical molecule.
136. (New) The article of claim 135, further comprising:  
the biological, biochemical, and/or chemical molecule attached to the luminescent polymer.
137. (New) The article of claim 136, wherein the biological, biochemical, and/or chemical molecule is a nucleic acid molecule.
138. (New) The method of claim 129, wherein the luminescent polymer comprises a triple bond.
139. (New) The method of claim 138, wherein the luminescent polymer comprises a plurality of triple bonds.

140. (New) The method of claim 129, wherein the luminescent polymer comprises a copolymer formed from a plurality of monomers, wherein at least one monomer comprises a structure:



wherein at least one of A and C comprises a bicyclic ring system, and at least one of B and D comprises a triple bond.